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WHAT IS CLAIMED IS:

1. A method of fabricating an integrated circuit, the method comprising:

depositing a reflective metal material layer over a layer of polysilicon;

depositing an anti-reflective coating over the reflective metal material layer;

trim etching the anti-reflective coating to form a pattern;
etching the reflective metal material layer according to the
pattern; and

removing portions of the polysilicon layer using the pattern formed from the removed portions of anti-reflective coating.

- 2. The method of claim 1 further comprising depositing a resist layer over the anti-reflective coating;
- 3. The method of claim 1, wherein the step of removing portions of the anti-reflective coating comprises providing an isotropic etch to the anti-reflective coating.
- 4. The method of claim 1, wherein the reflective metal material layer comprises tungsten.
- 5. The method of claim 4, wherein the reflective metal material layer has a thickness of 80-200 Angstroms.
- 6. The method of claim 1, wherein a remaining portion of the polysilicon layer is a gate structure.

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7. A method of optimizing optical properties of gate patterning to control gate size in an integrated circuit fabrication process, the method comprising:

providing a reflective metal layer over a gate material layer; providing a mask layer over the reflective metal layer; and patterning the gate material layer including selectively etching the mask layer and the reflective metal layer.

- 8. The method of claim 7, wherein the reflective metal layer comprises tungsten (W).
- 9. The method of claim 7, wherein the patterning step comprises trim etching the mask layer.
- 10. The method of claim 7, wherein the reflective metal layer has a thickness of 80-200 Angstroms.
- 11. The method of claim 7, wherein the step of providing a mask layer comprises depositing a layer of SiON and a layer of resist.
- 12. The method of claim 7, wherein the reflective metal layer is not matched to the gate material layer.
- 13. The method of claim 7, wherein the step of providing a reflective metal layer comprises selecting the reflective metal layer based on etch chemistry of the reflective metal layer and the gate material layer.
- 14. A method of forming a gate in an integrated circuit, the method comprising:

providing a gate material layer; providing a reflective metal layer over the gate material layer;

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providing an anti-reflective coating (ARC) layer over the

reflective metal layer;

providing a resist layer over the ARC layer; and patterning a gate structure in the gate material layer by selectively removing portion's of the resist layer, ARC layer, and gate material layer.

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The method of claim 14, wherein the reflective material layer 15. comprises tungsten (W).

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The method of claim 1/4, wherein the reflective material layer 16.

has a thickness of 100 Angstrom's.

The method of claim 14, wherein the ARC layer comprises 17.

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The method of claim 1/4, wherein the step of selectively 18.

removing comprises trim etching the ARC layer.

The method of claim 18, wherein the ARC layer is SiON. 19.

The method of claim 19, wherein the reflective metal layer is 20. less than 100 Angstroms thick.